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# Display of a Radiobroadcast

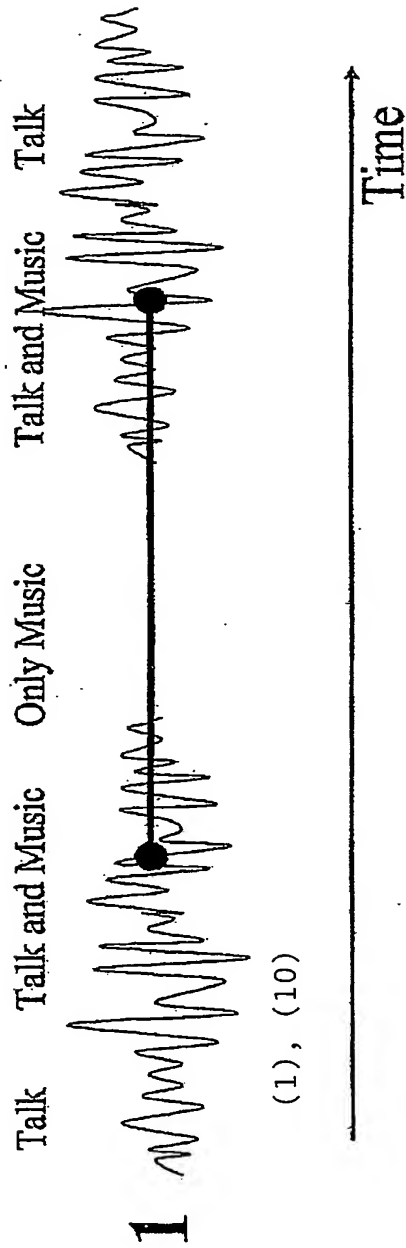


Fig. 1

PopCatcher continuously records the broadcast.

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# Chose the Song

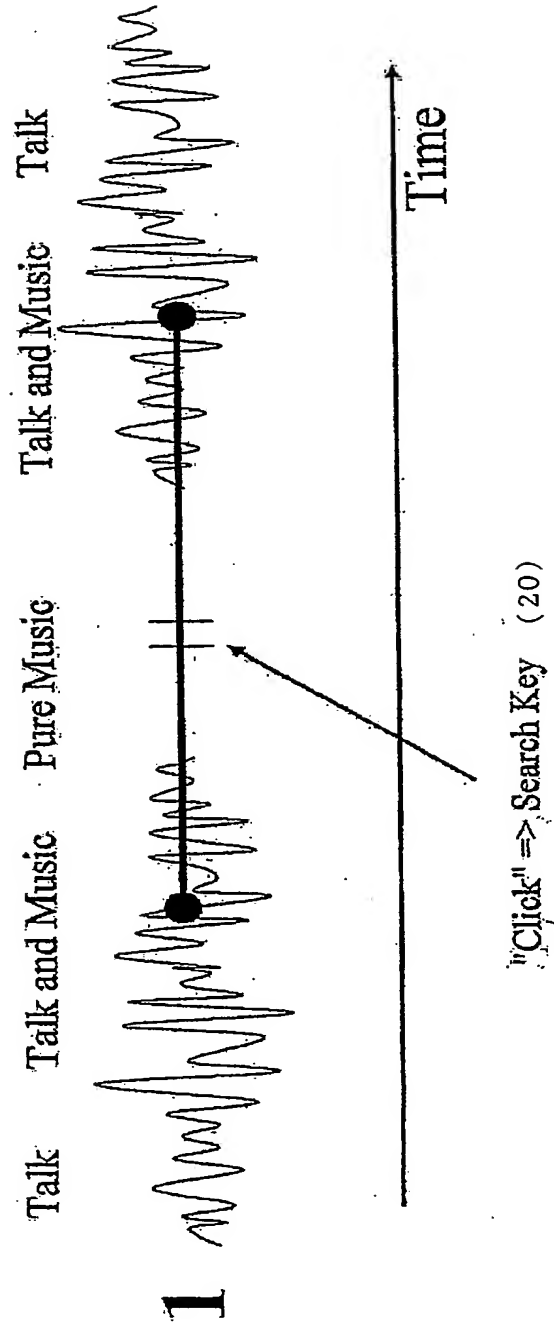


Fig. 2

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# Searching for the Song

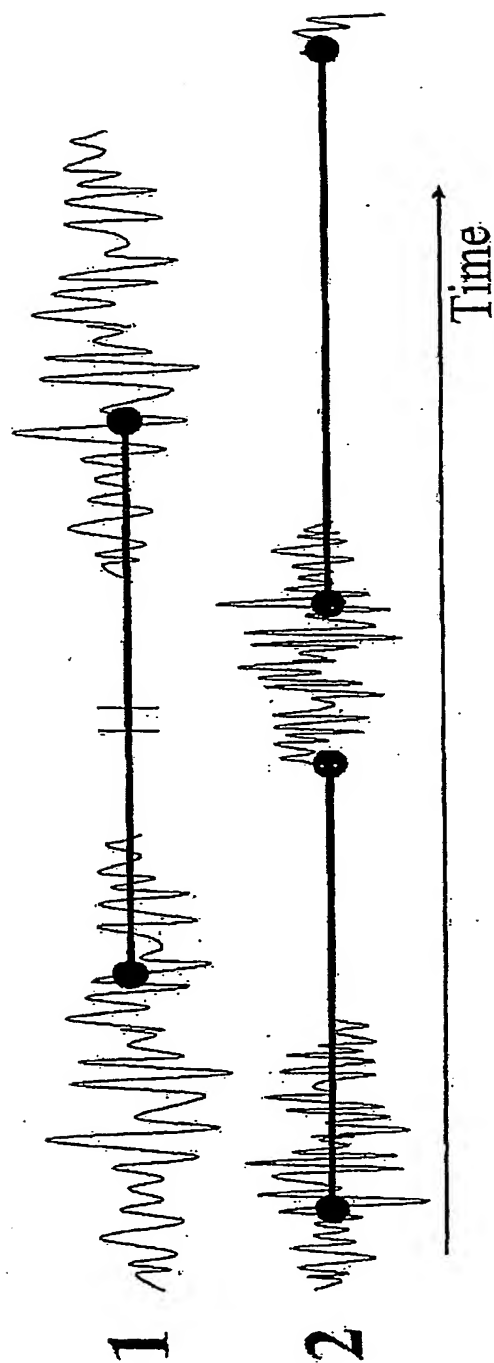


Fig. 3

# Recognition of the Song

Match – Both files are saved

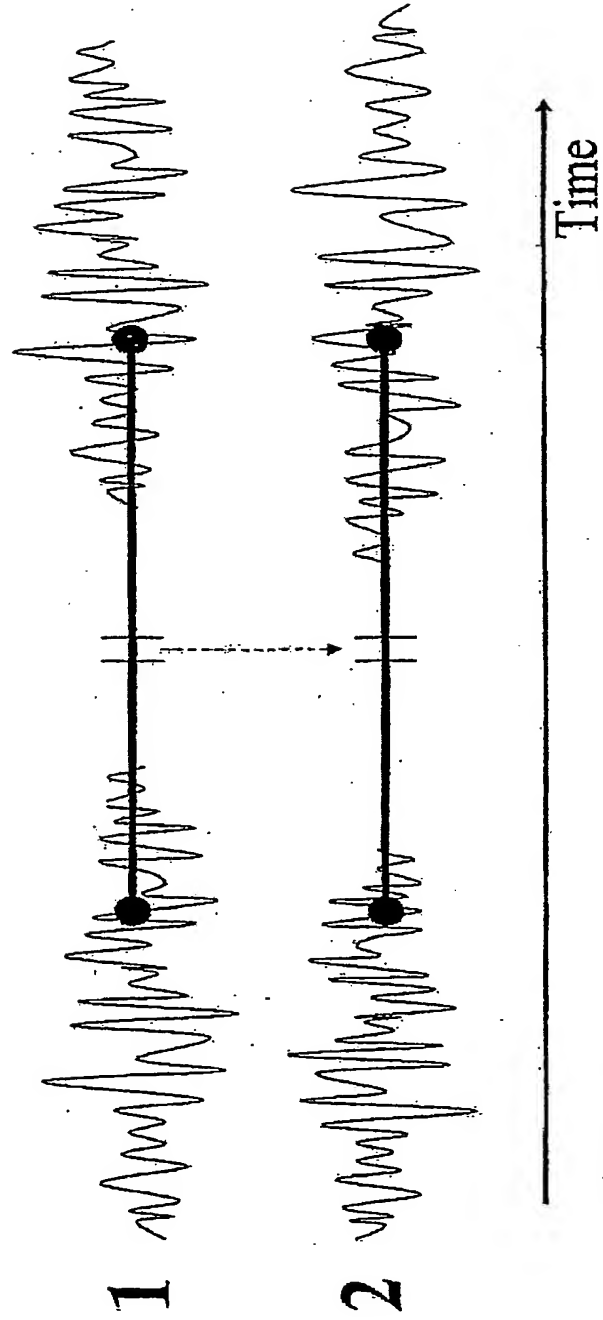


Fig. 4

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# Expansion

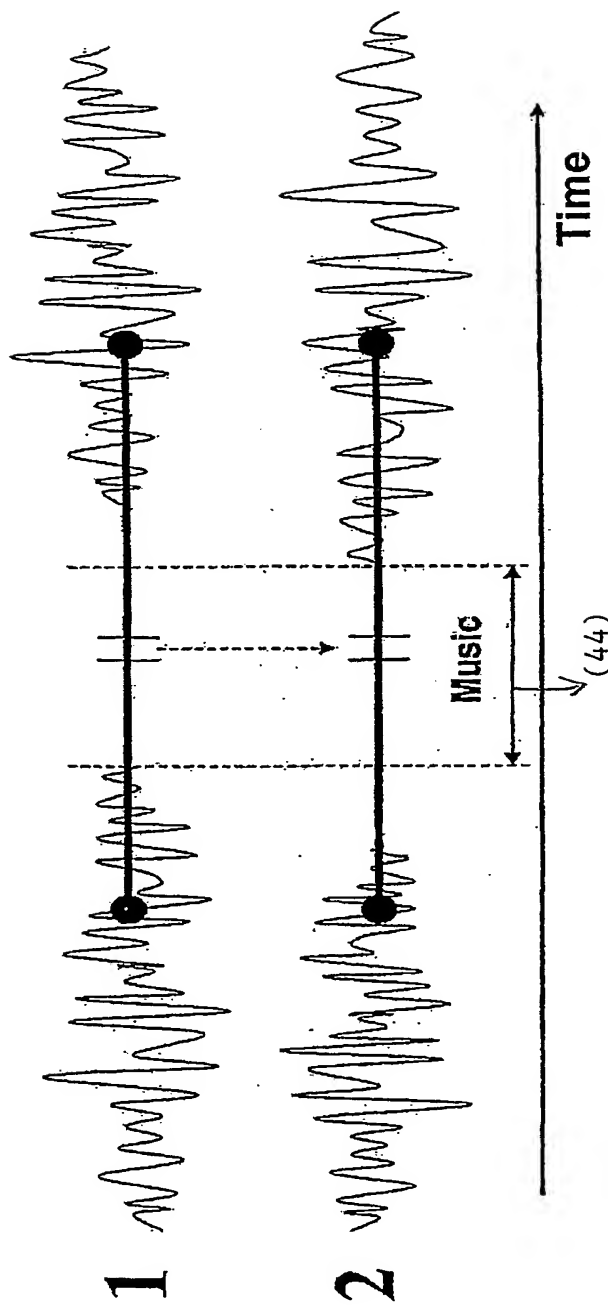


Fig. 5

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# Iteration of the Process

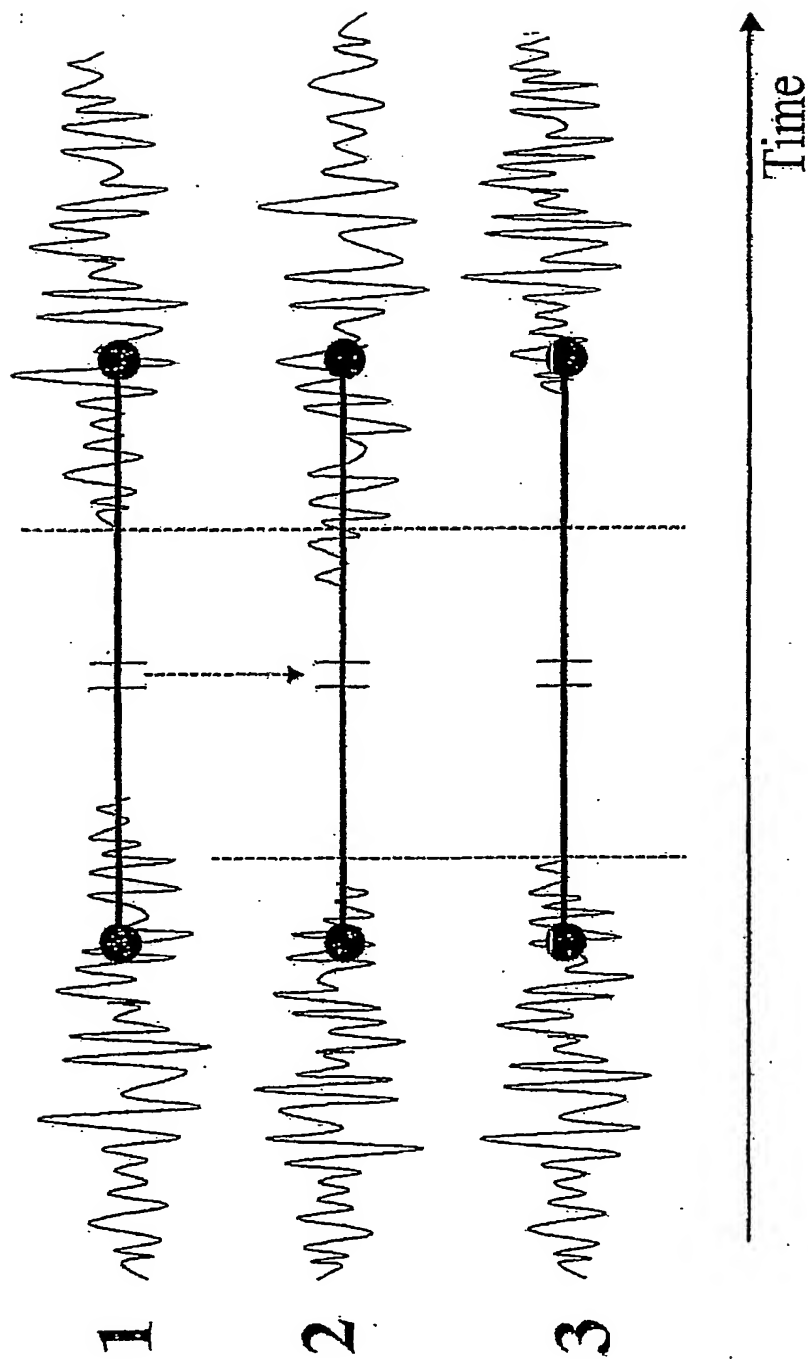


Fig. 6

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## Looking Backwards in Time

■ Using a buffer memory, the user will not have to wait for the song to be retransmitted.

■ Prototype buffer memory: 24 hours.

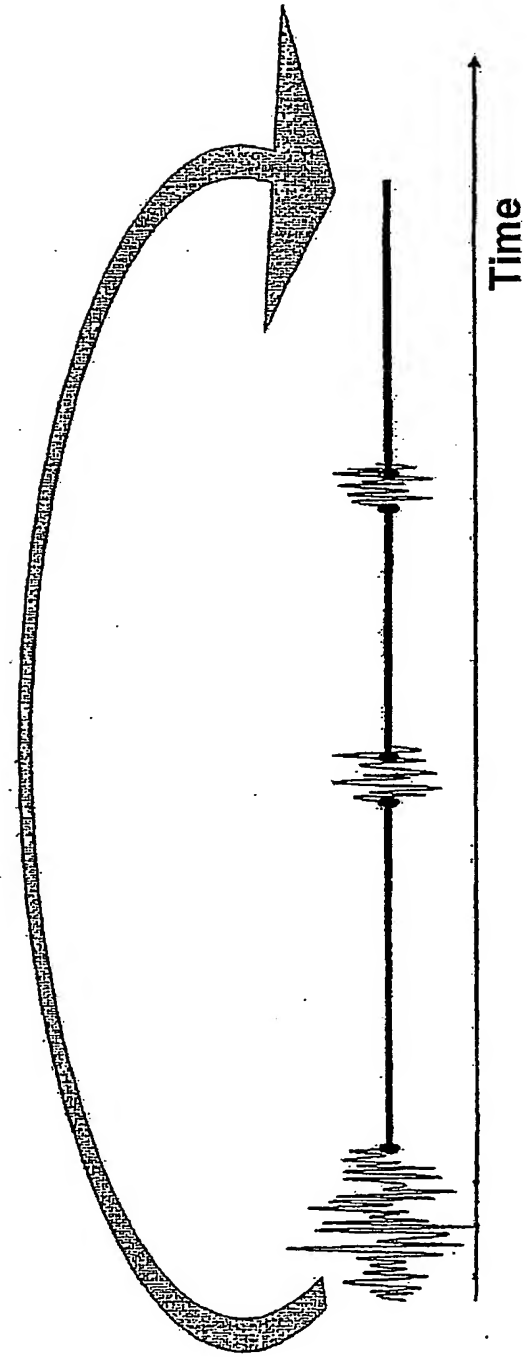


Fig. 7

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# Separate Search Track

■ Search track

■ 32 kHz music track: 1 MB/min

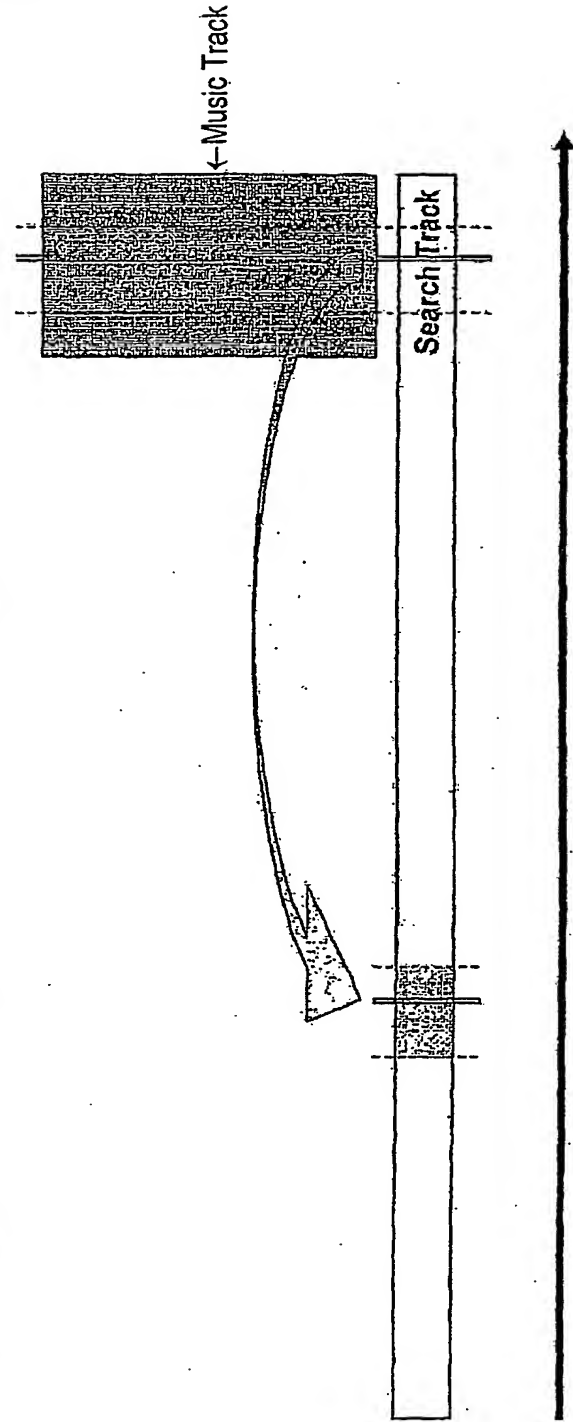


Fig. 8



# Compressing Search Track

■ Search track – 4 MB/day

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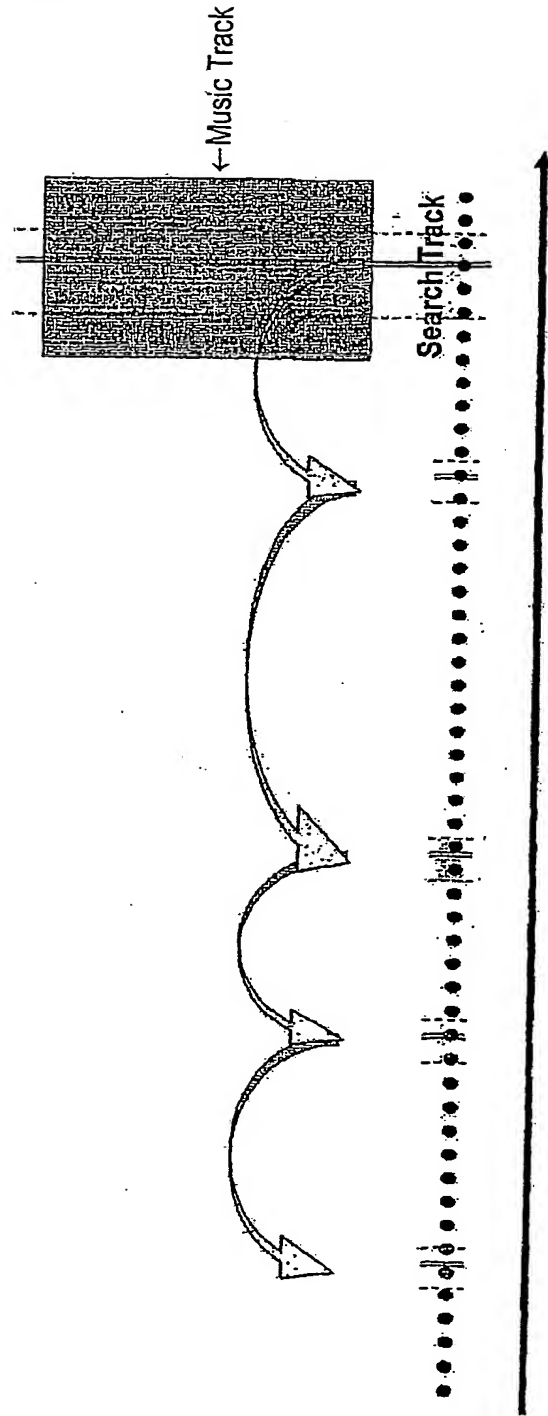


Fig. 9

# Categorizing Search Track

- Storing interesting parts of search track
- Removing non-interesting parts of search track
- Result:  
*25-98% smaller search track*

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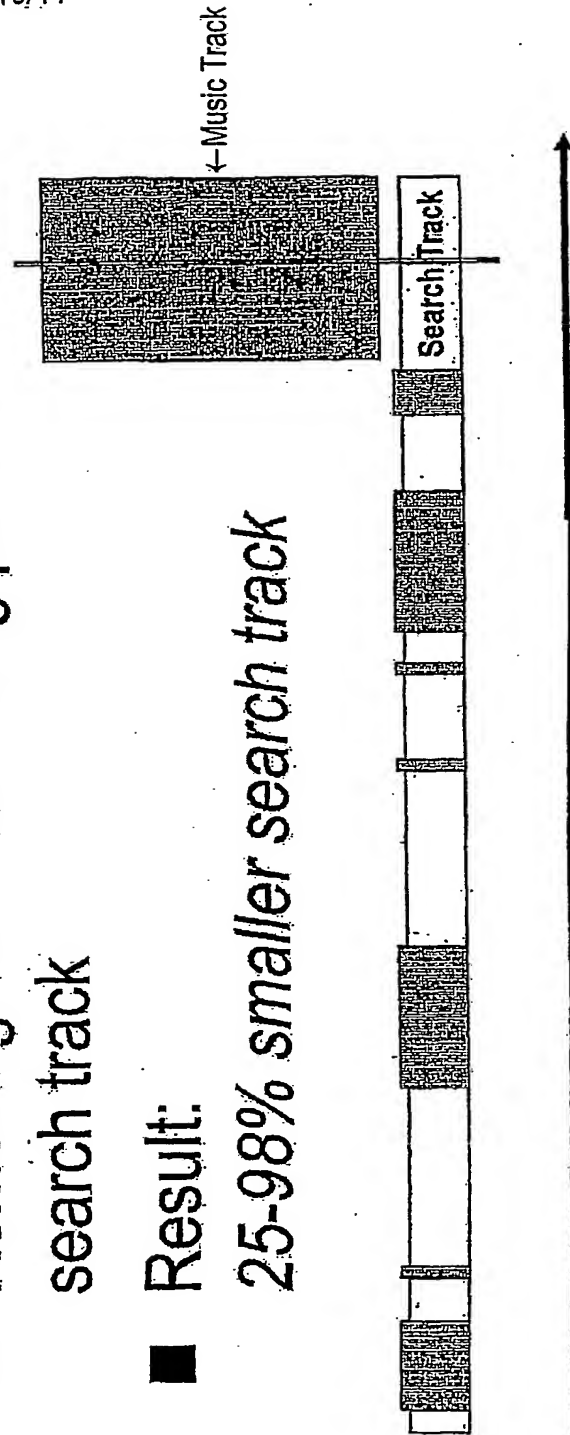


Fig. 10

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**Flowchart lists**

What are the lists that are searched

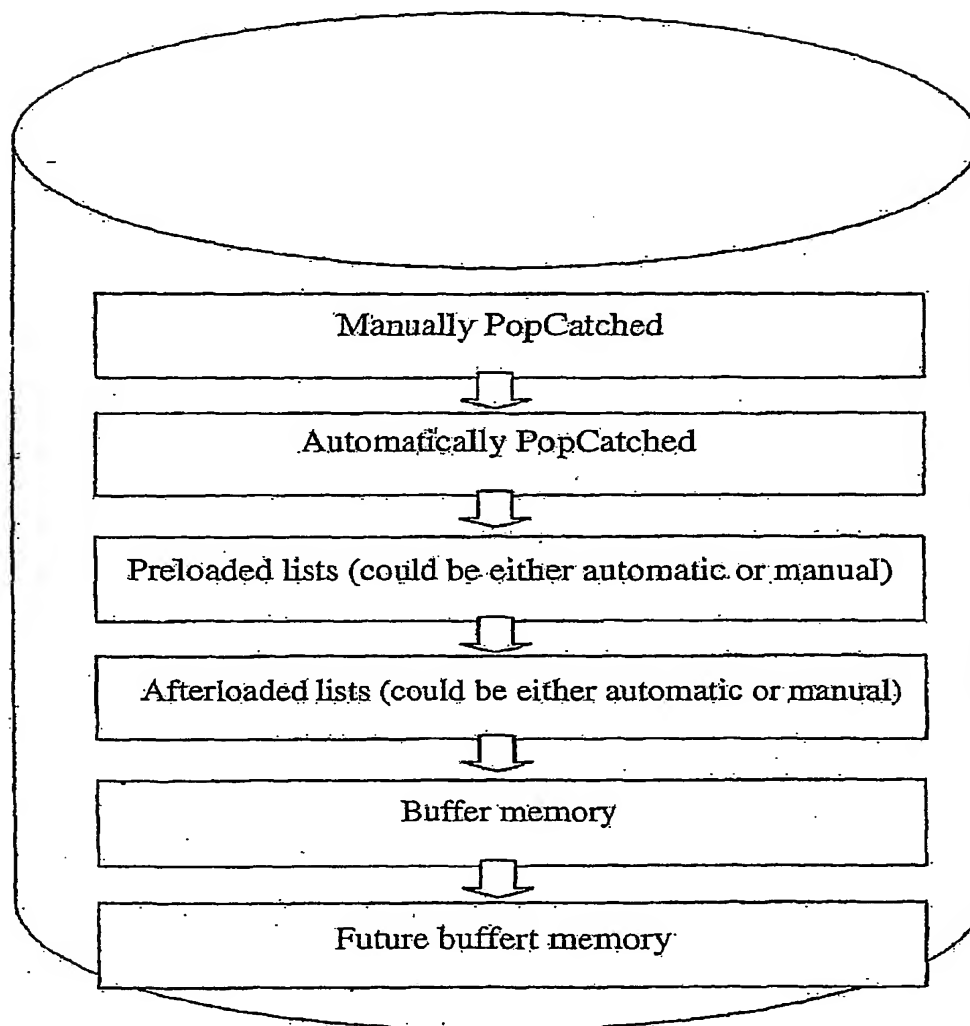


Fig. 11

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